

Basics of CTS Operation

Setting Up CTS for Each Meet

1. Run long timing cable across the finish end of the pool. If CTS is next to lane 6 or 8, lane numbers on cable will not match lane numbers in pool (you'll adjust this in CTS Setups)
2. Plug long timing cable into back of CTS (upper of the 2 wide ports marked "Near End")
3. Plug two buttons into timing cable for each lane
4. Set up starting equipment
5. Run 25 foot black cable from Start Output on starting equipment and plug into Start connection on long timing cable (last or next to last connector on either end of timing cable)
6. Follow instructions on separate sheet about interface of CTS with recorder's computer and downloading events from recorder's computer.
7. Once everything's plugged in, run a test start and check all buttons.

Running a Heat

1. After starting horn, **check to be sure clock running**. If not, hit Start button on lower left of CTS.
2. Turn off lanes where there are no swimmers. Cross out empty lanes on your heat sheet.
3. Every few heats, record the race number on your heat sheet. (Occasionally recorder may need this information to access race data)
4. If section of screen where button finishes are shown is not displayed, press Display button to right of screen
5. Watch finishes. If you notice an early or late button (you observe button has been pressed before or after you see swimmer at the wall), tell Timing Judge so that button can be ignored. (Note: At first, it's difficult to pick up on these, but you'll get better with experience)
6. Once all swimmers finished, **be sure clock has stopped**. If it hasn't, you may need to turn off a lane (if no swimmer) or have timers push buttons on that lane (if no buttons).
7. **Press Store/Print, then Reset, then Next Heat** (or Next Event).
8. If CTS not reset for next race, don't let starter start next race until reset.

Skipping to a Heat/Event

1. Press Edit Event key (bottom center of CTS)
2. Fill in Event number using keypad on lower right of CTS, then press Enter
3. Fill in Heat number, then press Enter

Retrieving Stored Data from Previous Heats or Events (won't be used very often)

1. Press Stored Data key to right of screen.
2. Next screen is actually several "pages" long. You get to subsequent "pages" by pressing More key.
3. Select event by using Next Event or Previous Event keys
4. Select heat by using Next Heat or Previous Heat keys

CTS Setups for RMAL Dual Meets

The items listed below must be set as listed in the Setups menu. The settings for other items do not matter.

Start

1. Start Even-Length Races at Near end.
2. Start Odd-Length Races at Far end. (Note: If you start 25s at Near end, you'll use only watches for those events)

Finish

1. Near End Primary Finish - Buttons

Hardware

3. Remote setup allowed
7. Far end splits NOT used

Timing

1. Timing Precision = 0.01 seconds

Scoreboard

9. Display Results in LANE order
- 10.

Pool (Note: Setup for this category depends on specifics of your pool)

1. Lane Mapping
 - 1 Lanes Normal – used if CTS set up next to lane 1
 - 2 Reverse Lanes – used if CTS set up next to lane 6 or lane 8
2. Lanes in Pool – set for number of lanes in your pool
3. Lanes Used – set for number of lanes you will use for the meet
4. Pool length = 25
5. Race Distance Units – set for yards or meters based on your pool

Event Sequence

8. Once set up for meet has been downloaded from Meet Manager computer, the name of the meet should automatically be inserted in this slot.

Important: Once you have set up the meet correctly, be sure to **Save Setups** so that the setups will be stored in memory. That way, if the CTS is turned off, you don't lose all your settings.

Interface Between Meet Manager Software and CTS

Initial Setup of Computer

1. Insert CD entitled Meet Manager Version 1.4Pf w/ Timing Interface
Note: This is the same version of Meet Manager as was on the 2004 RMAL CD previously handed out, but this version also includes the software interface between the CTS and the recording computer.
2. Follow on-screen prompts for setup
 - a. Specify same destination directory as your prior version of Meet Manager (default is C:\Hy-Sport\Win-MM)

Setting Up the Interface

1. From Meet Manager main screen, click Set-up, then Timing Console Interface
2. Click Colorado Timing System 6

Setup Before Each Meet

1. Connect 10 foot 9-pin cable from Com Port 1 on back of CTS to serial port on computer (male end of cable hooks to CTS; female end of cable to computer)
2. From Meet Manager main screen, click Run, then Interfaces, then Timer
 - a. Click Open/Close Serial Port for CTS 6
 - i. In box for Serial Com Port for CTS 6 Timer, enter 1
 - b. Click Test Communication with CTS 6
 - c. Check to be sure CTS in "Reset" mode
 - d. Click Download Events to CTS 6; follow on-screen prompts, specifying choice 9 for the spot to place the meet
3. Check CTS to be sure new meet is there (Setups – Event Sequence – Choice 9)
4. Have CTS operator save setups